Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Development Of Pipeline Park Mallasandra in Ward No .13.

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items		Unit	No	L	B	D	Qty	Rate	Amount
1	Removing and Resetting of heavy duty cobble stones 60mm thick interlock pavers, over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specification									
	Pipe line Park		Sqm							
	0.00	3.00		1	3.00	5.00		15.00		
	3.00	5.00		2	2.00	2.20		8.80		
	5.00	10.00		1	5.00	5.00		25.00		
	115.50	122.30		1	6.80	10.00		68.00		
	122.30	270.70		2	148.40	2.20		652.96		
	270.70	276.90		1	6.20	10.00		62.00		
	276.90	296.10		2	19.20	2.20		84.48		
	296.10	311.00		1	14.90	5.00		74.50		
	311.00	352.40		2	41.40	2.20		182.16		
	354.40	500.40		2	146.00	2.20		642.40		
	500.40	503.50		1	3.10	5.00		15.50		
	503.50	509.80		2	6.30	2.20		27.72		
	509.80	518.30		1	8.50	5.00		42.50		
	518.30	529.00		2	10.70	2.20		47.08		
	531.80	600.40		2	68.60	2.20		301.84		
	600.40	603.70		1	3.30	5.00		16.50		
	646.90	649.30		1	2.40	5.00		12.00		
	649.30	719.90		1	70.60	2.20		155.32		
	719.90	724.10		1	4.20	5.00		21.00		
	724.10	839.50		1	115.40	2.20		253.88		
	839.50	848.40		1	8.90	5.00		44.50		
	848.40	877.80		2	29.40	2.20		129.36		
	877.80	883.70		1	5.90	10.00		59.00		
	883.70	945.30		2	61.60	2.20		271.04		

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	945.30	953.60		1	8.30	5.00		41.50			
	953.60	1087.90		2	127.30	2.20		560.12			
	1087.90	1094.00		1	6.10	10.00		61.00			
								3875.16			
	Missing Streach @ 23%							890.84			
	Basic Rate							**2984.32**	**415.80**	**1240880**	
	Add Area Weightage6%										
	Total										
2	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface jpints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS Page No.101, Item No.14.6 / PWD SR.2016-17										
	Missing Streach @ 20%		**Sqm**					890.84			
	Basic Rate		**912**					**890.84**	**966.72**	**861193**	
	Add Area Weightage6%		**54.72**								
	Total		**966.72**								
3	KSRB 15-15.3 : Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications Page No118, Item No.15.52.1 / PWD SR.2016-17										
	0.00	3.00	Sqm	2	3.00	0.40		2.40			
	3.00	5.00		4	2.00	0.40		3.20			
	5.00	10.00		2	5.00	0.40		4.00			
	10.00	115.50		4	105.50	0.40		168.80			
	115.50	122.30									
	122.30	270.70		4	148.40	0.40		237.44			
	270.70	276.90									
	276.90	296.10		4	19.20	0.40		30.72			
	296.10	311.00		2	14.90	0.40		11.92			
	311.00	352.40		4	41.40	0.40		66.24			
	352.40	354.40									
	354.40	500.40		4	146.00	0.40		233.60			

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	500.40	503.50		2	3.10	0.40		2.48		
	503.50	509.80		4	6.30	0.40		10.08		
	509.80	518.30		2	8.50	0.40		6.80		
	518.30	529.00		4	10.70	0.40		17.12		
	529.00	531.80								
	531.80	600.40		4	68.60	0.40		109.76		
	600.40	603.70		2	3.30	0.40		2.64		
	603.70	646.90								
	646.90	649.30		2	2.40	0.40		1.92		
	649.30	719.90		4	70.60	0.40		112.96		
	719.90	724.10		2	4.20	0.40		3.36		
	724.10	839.50		4	115.40	0.40		184.64		
	839.50	848.40		2	8.90	0.40		7.12		
	848.40	877.80		4	29.40	0.40		47.04		
	877.80	883.70								
	883.70	945.30		4	61.60	0.40		98.56		
	945.30	953.60		2	8.30	0.40		6.64		
	953.60	1087.90		4	134.30	0.40		214.88		
	1087.90	1094.00		4	104.30	0.40		166.88		
								1751.20	47.70	83532
	Basic Rate		**45.00**							
	Add Area Weightage6%		**2.70**							
	Total		**47.70**							
4	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.Page No25, Item No.5.3 / PWD SR.2016-17									
			No					300.00		
								300.00	**331.78**	**99534**
	Basic Rate		**313**							
	Add Area Weightage6%		**18.78**							
	Total		**331.78**							
5	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer in charge of work including two coats of approved quality paint over one coat of shop paint Page No262, Item No.37.3 / PWD SR.2016-17									

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	Damaged Chain link		Sqm	30	2.50	2.25		168.75		
	Basic Rate		**659**					**168.75**	**698.54**	**117879**
	Add Area Weightage6%		**39.54**							
	Total		**698.54**							
6	KSRB15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No121, Item No.15.75 / PWD SR.2016-17									
	For Chain link Fencing		Sqm	2	1094.00	2.50		5470.00		
	Basic Rate		**51**					**5470.00**	**54.06**	**295708**
	Add Area Weightage6%		**3.06**							
	Total		**54.06**							
7	Providing and fixing M.S. Block pipe of 38mm dia, of heavy gua'ge of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage incutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.Page No262, Item No.37.4 / PWD SR.2016-17									
	For Chain link Fencing		Mtr	25X 2	2.50			125.00		
								125.00	**343.44**	**42930**
	Basic Rate		**324**							
	Add Area Weightage6%		**19.44**							
	Total		**343.44**							
8	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete).Page No262, Item No.37.2 / PWD SR.2016-17									
			Mtr	6	2.60			15.60		
								15.60	**868.14**	**135**
	Basic Rate		**819**							
	Add Area Weightage6%		**49.14**							
	Total		**868.14**							

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9	KSRB 4-1.3 : Providing and laying in position plain cement concrete cumof mix 1:4.8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4,2.Page No12, Item No 4.3 / PWD SR.2016-17									
	Wall		cum	2	4.00	0.45	0.10	0.36		
	Chamber			7	10.00	0.60	0.15	6.30		
	Chamber									
				1	1.50	1.50	0.15	0.23		
	Basic Rate		**4867**					**6.89**	**5159.02**	**35520**
	Add Area Weightage6%		**292.02**							
	Total		**5159.02**							
10	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13.Page No23, Item No 5.5 / PWD SR.2016-17									
			Cum	7	10.00	0.60	0.90	37.80		
	Basic Rate		**4037**					**37.80**	**4279.22**	**161755**
	Add Area Weightage6%		**242.22**							
	Total		**4279.22**							
11	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications.Page No12, Item No 4.6 / PWD SR.2016-17									
	1:02:04		Cum							
	Wall			2	4.00	0.45	0.10	0.36		
	Chamber			7	10.00	0.60	0.10	4.20		
				7	2.50	2.80	0.10	4.90		
								9.12		
	Basic Rate		**5441.00**					**9.12**	**5767.46**	**5259**
	Add Area Weightage6%		**326.46**							
	Total		**5767.46**							
12	Supplying and fixing precast rainforced concee slab 23cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.									

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	23 cm thick precast slab		8	3.20	2.00		51.20		
	Data rate	Sqm					51.20	5125.00	262400
13	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications **(P.NO - 5, I.NO - 2.3, PWD SR-2016-17)**								
		cum	2	1094.00	0.60	0.75	984.60		
			7	10.00	0.60	1.25	52.50		
							1037.10	299.98	311109
	Basic Rate	283.00							
	6% area weightage	16.98							
	Total	**299.98**							
14	KSRB 13-9.1 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.Specification No. KBS 13.2.15.2 /13.9(P.NO - 94, I.NO -13.73.2 PWD SR-2016-17)								
		Mtr	2	1094.00			2188.00	368.88	807109
	Basic Rate	348.00							
	6% area weightage	20.88							
	Total	**368.88**							
15	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)25mm nominal OD pipes (P.NO - 96, I.NO -13.86.3 PWD SR-2016-17)								
		mtr	2	230.00			460.00	265.00	121900
	Basic Rate	250.00							
	6% area weightage	15.00							
	Total	**265.00**							
16	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications **(P.NO - 6, I.NO - 2.11, PWD SR-2016-17)**								
		Cum	2	1094.00	0.60	0.75	**984.60**	80.56	7931
	Basic Rate	76.00							
	6% area weightage	4.56							
	Total	**80.56**							

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						Grand Total		458707/-00
								412836.98
43	Miscellaneous and Other Charges							85.42
44	Rounding off							5000000.00
						Grand Total		

(Rupees Fifty Lakhs Only)

CERTIFICATE

1. The Work spot has been inspected and the work found to be necessary
2. The Estimate is prepared as per the PWD SR 2016-17
3. The Provision made in estimate are adequate and essential
4. This area comes under BBMP limits.
5. This work is Not Included in any Other Estimate

Asst Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. JC/O/AS/AT/04/17-18 ದಿನಾಂಕ: 5/6/17

ರೂ. Fifty lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/62/17-18 ದಿನಾಂಕ: 08/06/2017

ರೂ. Rs 50.00 lakhs only
Rs Fifty lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರು

ಮುಖ್ಯ ಅಭಿ 12/6

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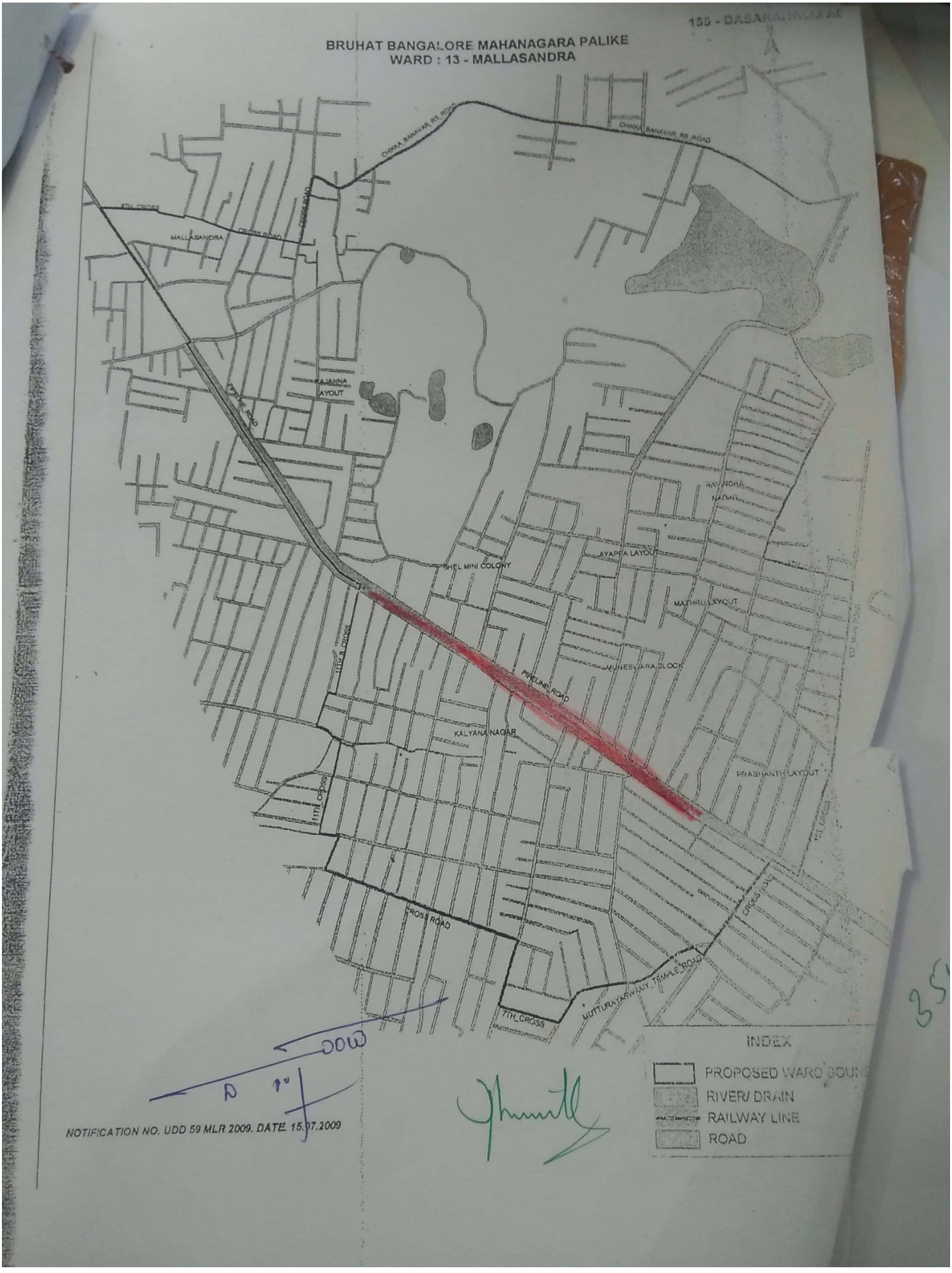

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